

D-ZLaF52LA 810410			n _d = 1.810000		v _d = 40.99		n _F - n _C = 0.019760		
			n _e = 1.814693		v _e = 40.74		n _{F'} - n _{C'} = 0.019999		
折射率 Refractive Index*			相对部分色散 Relative Partial Dispersions				内部透射率 Internal Transmittance T		
	λ (nm)		P _{s,t}	0.2428	P' _{s,t}	0.2399	λ (nm)	τ (5mm)	τ (10mm)
n _{2325.42}	2325.42	1.765152	P _{C,s}	0.5016	P' _{C',s}	0.5418	2400	0.870	0.750
n _{1970.09}	1970.09	1.772024	P _{d,C}	0.2969	P' _{d,C'}	0.2471	2200	0.961	0.924
n _{1529.58}	1529.58	1.779584	P _{e,d}	0.2375	P' _{e,d}	0.2347	2000	0.984	0.969
n _{1060.0}	1060.0	1.788325	P _{g,F}	0.5699	P' _{g,F'}	0.5049	1800	0.996	0.992
n _t	1013.98	1.789425	P _{i,h}	0.8616	P' _{i,h}	0.8513	1600	0.999	0.998
n _s	852.11	1.794222	异常色散 Abnormal Dispersions				1400	0.998	0.996
n _r	706.52	1.800867					ΔP _{C,t}	0.0050	ΔP _{C,s}
n _C	656.27	1.804134	ΔP _{F,e}	-0.0016	ΔP _{g,F}	-0.0060	1060	0.999	0.998
n _{C'}	643.85	1.805058	着色度 Color Code				1000	0.999	0.998
n _{He-Ne}	632.8	1.805925					λ ₈₀ /λ ₅	400/340	
n _D	589.29	1.809826	λ ₇₀ /λ ₅			900	0.999	0.998	
n _d	587.56	1.810000	热性质 Thermal Properties				850	0.999	0.998
n _e	546.07	1.814693					T _g (°C)	546	
n _F	486.13	1.823894	T _s (°C)	582		700	0.998	0.997	
n _{F'}	479.99	1.825057	T ₁₀ ^{14.5} (°C)	506		650	0.998	0.996	
n _g	435.83	1.835155	T ₁₀ ¹³ (°C)	538		600	0.997	0.995	
n _h	404.66	1.844776	T ₁₀ ^{7.6} (°C)	644		550	0.997	0.995	
n _i	365.01	1.861801	α _{30/70°C} (10 ⁻⁷ /K)	66		500	0.995	0.990	
n _{313.18}	313.18		α _{100/300°C} (10 ⁻⁷ /K)	83		480	0.992	0.985	
n _{302.15}	302.15		λ[W/(m·K)]			460	0.990	0.980	
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.986	0.972
							K ₁	1.88205933E+00	
L ₁	9.84915169E-03		D _w	1		400	0.968	0.937	
K ₂	3.02908859E-01		D _A	6		390	0.955	0.913	
L ₂	4.06191391E-02		CR	1		380	0.933	0.870	
K ₃	1.25387380E+00		RC(S)	1		370	0.890	0.790	
L ₃	9.58936040E+01		RA(S)	3		360	0.800	0.640	
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.610	0.380
							D ₀	5.23E-06	
D ₁	1.56E-08		D _w	1		330			
D ₂	-3.55E-11		D _A	6		320			
E ₀	8.33E-07		CR	1		310			
E ₁	7.37E-10		RC(S)	1		300			
λ _{TK} (μm)	0.217		RA(S)	3		290			
折射率温度系数 Temperature Coefficients of Refractive Index			其他性质 Other Properties				E (10 ⁷ Pa)	11506	
							温度范围 (°C)	dn/dt relative(10 ⁻⁶ /°C)	
Range of Temperature	t	C'	d	e	F'	g	μ	0.300	
-60~-40	4.9	5.8	6.1	6.3	7.2	7.8	B (10 ⁻¹² /Pa)	1.98	
-40~-20	5.0	6.0	6.2	6.6	7.5	8.3	备注 Remarks		
-20~0	5.1	6.0	6.4	6.7	7.5	8.5			
0~20	5.3	6.1	6.7	6.9	7.7	8.6	ρ (g/cm ³) 4.56		
20~40	5.5	6.4	7.0	7.3	8.1	8.9			
40~60	5.7	6.8	7.1	7.4	8.4	9.4	ρ (g/cm ³) 4.56		
60~80	5.7	6.9	7.2	7.5	8.5	9.6			
80~100	5.9	6.9	7.3	7.8	8.8	9.8	备注 Remarks		
100~120	5.9	7.0	7.4	8.0	9.1	9.9			
120~140	6.0	7.2	7.6	8.1	9.2	10.3			